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HUNGARIAN WEATHER REPORT FOR APRIL 1950

 $\sqrt{\mathtt{M}}\mathtt{ap}$ showing distribution of rainfall is appended.7

Despite its extremes, the weather in April was beneficial to agriculture. In the trans-Danube region, the temperature was 0.8 to 1.0 degree (all degrees in centigrade) higher, in most of the rest of the country 1 degree higher, and in Szeged, Nyiregyhaza, and Debrecen more than 2 degrees higher than normal.

After a dry March there was, with the exception of a few small areas, considerable precipitation all over the country. Except for the first and the last days of the month, rain fell in some part of the country every day. There was less precipitation than usual in part of Sopron County, in the Bakony Mountains, and parts of Szeged County. The minimum rainfell, 35 millimeters, was reported in Bata. But even this is 40 percent more than the maximum fall of 25 millimeters in Sopron in March. Rainfall for the month exceeded 70 millimeters, or 120-140 percent of the average in more than half the country. In many places rainfall exceeded 100 millimeters.

Due to a maritime polar air mass, the morning of 1 April was the coldest of the month. There was frost in many places, but nowhere did the temperature reach -5 dugrees.

On the morning of the 2d, the temperature dropped below zero in many places. There was a -5 degree soil frost in Debrecen. Milder weather followed these two cold days, with less cooling at night and a temporary rise in the daytime temperature. On the 3d a temperature of 20 degrees was recorded at the southern border of the country. A maritime air mass from the west and northwest brought changeable weather. Varying amounts of rain fell day after day. There were reports of hail on the 3d and 4th of the month.

The hail brought a marked drop in temperature. The maximum day temperature was only 14-16 degrees and on the morning of the 6th the frost returned. In the eastern counties, the lowest temperature of the month was recorded on the mornings of the 8th, 9th, and 11th, but showers, storms, and hail continued to fall even on these days. Hail fell on the 7th and 8th in Borsod and Zemplen counties, and in the Kisalfold region on the 10th.

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On the night of the 12th the temperature did not drop very low and for the rest of the month, frost was reported only in scattered instances, and then only in the central part of the country. The high for day temperatures varied between 12 and 20, and, in general, corresponded to the average.

On the 11th and 12th there was a uniform distribution of precipitation. On the 11th, more than 10 millimeters of rain fell on 60 percent of the country, but on the 13th the distribution of rainfall was again irregular.

There were many reports of hail from 15 - 18 April. On these days, there was hardly any rain. The storms and hail were followed by a cool maritime air mass from the west, which were in turn followed by warm weather from the Mediterranean and the subtropical areas.

The temperature rose steadily until the 21st, when the average for the country was 25 degrees, with 33 degrees recorded on the Hortobagy. The 21st was the warmest day of the month. But this unusually warm weather did not last. Cool air came from the southwest on the 22d, accompanied by showers and storms. The temperature again dropped with the resumption of rain and hail.

A mixture of snow and rain fell in the area of Sopron on the 25th, and the temperature reached a new low on the 28th and 29th. In general, the high for the 28th was 12-15 degrees, and on the 29th there was a slight frost in Sopron and Salgotarjan. On the 30th, the weather was cloudless and dry.

Appended map follows.7

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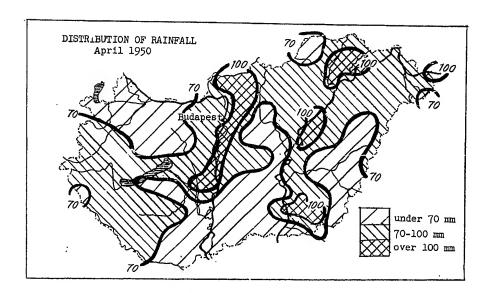
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